KAKINADA SMART CITY CORPORATION LIMITED

National Competitive Bidding

REQUEST FOR PROPOSAL (RFP)

RFP NO. KSCCL/ E- Health /2017/1

Country: INDIA

Name of the Work - DESIGN, DEVELOP, MANAGE, IMPLEMENT AND OPERATE ELECTRONIC HEALTH RECORD OF GOVERNMENT HOSPITALS IN KAKINADA AND O&M FOR A PERIOD OF 5 YEARS

ANNEXURE - 1

Dated: 03-06-2017

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Managing Director

KSCCL, Kakinada-533001

Financial Bid – Part-1

Detailed Bill of Quantities (BOQs)

Contents

1. Bill of Quantities

CAPEX: Bill of Quantities for IT Infra

Sl.No.	Description of H/W equipment	Specifications	Quantity Required	Unit Cost INR	Total Cost INR
100	**Central Server**				
100-1	Application Server	Xeon® E5-2620v4 or equivalent Processor, 2x16 GB DDR4- 2400R RAM, Smart Array P440ar 2G Controller,2x HP 500W FS Power Supply Kit, HPE Embedded 1 GB Ethernet 4-port 331i Adpt 16 GB RAM (Qty: 2) 900 GB 6G SAS 10K (Qty: 3) (or) Equivalent	2		
100-2	Database Server	E5-2620v4 Processor or equivalent, 4x16 GB DDR4-2400R RAM, Smart Array P440ar 2G Controller,2x 500W FS Power Supply Kit, Embedded 1 GB Ethernet 4-port 331i Adpt 16 GB RAM (Qty: 4) 900 GB 6G SAS 10K (Qty: 6) (or) Equivalent	2		
100-3	Load Balancer	E5-2620v4 Processor, 1x16 GB DDR4- 2400R RAM, Smart Array P440ar 2G Controller,2x 500W FS Power Supply Kit, HPE Embedded 1 GB Ethernet 4-port 331i Adpt 2. 16 GB RAM (Qty: 1) 3. 300 GB 6G SAS 10K (Qty: 3) (or) Equivalent	1		
100-4	Audio/Video Server	RAM:16 GB, Processor: Intel Xeon Processor E5-2670 V4 (4-core) Processor, Hard Disk : 500 GB, Operating System : linux 14.04 or equivalent (or) Equivalent configuration,	1		
100-5	Desktops	I5 or equivalent processor, 4GB RAM, 500GB, LCD Monitor, Keyboard, Mouse (or) Equivalent	2		
100-6	UPS	1 KVA, Internal double battery, Backup of 30 minutes, input voltage 160-280 V	2		
200	**ANM**				
200-1	Tablets	Tablets (7") with Android OS, 4 GB RAM, 32 GB Internal Disk, SIM Connectivity (4G), 5MP Camera, GPS, 4,000 mAh Battery,	15		

Sl.No.	Description of H/W equipment	Specifications	Quantity Required	Unit Cost INR	Total Cost INR
300	**Mukhyamantri Arogya Kendram**				
300-1	BIOMETRIC Attendance for patients Aadhar integrated	Biometric equipment to capture with Aadhar details	7		
400	**Urban Family Welfare Center (UFWC)**				
400-1	Desktop	I5 Processor or Equivalent, 4GB RAM, 100GB, LCD Monitor, Keyboard, Mouse (or) Equivalent	2		
400-2	Printer	Laserjet Printer Scan/ copy/ Print inkjet Printer (Black and White)	2		
400-3	UPS	1 KVA, Internal double battery, Backup of 30 minutes, input voltage 160-280 V	2		
400-4	Biometric Attendance Equipment.	Biometric equipment to capture attendance of employees.	2		
400-5	BIOMETRIC Attendance for patients Aadhar integrated	Biometric equipment to capture with Aadhar details	2		
500	**First Referal Unit (FRU)**				
500-1	Desktop	I3, 4GB RAM, 100GB, LCD Monitor, Keyboard, Mouse (or) Equivalent	3		
500-2	UPS	1 KVA, Internal double battery, Backup of 30 minutes, input voltage 160-280 V	3		
500-3	Printer	Scan/ Copy/ Print Laserjet Printer (Black and White)	2		
500-4	Video Conferencing Unit	In Built with a Video calling facility through skype of other third party video calling and receiving software.	2		
500-5	Biometric Attendance Equipment.	Biometric equipment to capture attendance of employees.	1		
500-6	BIOMETRIC Attendance for patients Aadhar integrated	Biometric equipment to capture with Aadhar details	2		

Sl.No.	Description of H/W equipment	Specifications	Quantity Required	Unit Cost INR	Total Cost INR
600	**Government Generel Hospital (GGH)**				
600-1	Desktop	I5 or equivalent processor, 4GB RAM, 500GB, LCD Monitor, Keyboard, Mouse (or) Equivalent	40		
600-2	UPS	1 KVA, Internal double battery, Backup of 30 minutes, input voltage 160-280 V	40		
600-3	Printer	Laserjet scan/print/copy **(3 Numbers)** and Laserjet Printer **(7 Numbers) - All Black and White**	10		
600-4	Video Conferencing Unit with web camera	Web camera + 50 W Speakers (2 Numbers or 1 Pair).	3		
600-5	BIOMETRIC Attendance for patients Aadhar integrated	Biometric equipment to capture with Aadhar details	15		
600-6	Wi-Fi Indoor Access Points	Working frequency - - 2.4-GHz (600 Mbps max) and 5-GHz (1.3 Gbps max) radios, each with 3x3 MIMO and three integrated omnidirectional down tilt antennas. Wireless Radio specifications AP type: Indoor, dual radio, 5 GHz 802.11ac and 2.4 GHz 802.11n Power - Worst-case power consumption from the AP (excluding power drawn by an attached USB device): Six integrated down tilt omni-directional antennas for 3x3 MIMO with maximum antenna gain of 3.5 dBi or equivalent. Temperature: 0° C to +50° C (+32° F to +122° F) - Humidity: 5% to 93% non-condensing	60		
700	**Diagnostic Centers**				
700-1	Desktop	I5 or equivalent, 4GB RAM, 500GB, LCD Monitor, Keyboard, Mouse (or) Equivalent	6		

Sl.No.	Description of H/W equipment	Specifications	Quantity Required	Unit Cost INR	Total Cost INR
700-2	UPS	1 KVA, Internal double battery, Backup of 30 minutes, input voltage 160-280 V	6		
700-3	Printer	Laser jet Printer / Scan/ Copy (Black and White)	4		
700-4	BIOMETRIC Attendance for patients Aadhar integrated	Biometric equipment to capture with Aadhar details	15		
800	**Software Requirement**				
800-1	Technical Supprort	Procurement, Customisation, Implementation and Technical Support of Bio Metric attendance for patients Adhar enabled integrated. (At MAK, UFWC, FRU, GGH)	1 Job		
800-2	Technical Supprort	Procurement, Customization, Implementation and Technical Support of electronic health record (EHR) @ UfWC, FRU and GGH	1 Job		
800-3	Technical Supprort	Procurement & Customization, Implementation and Technical Support of complete hospital management information system (HMIS) @ FRU and GGH	1 Job		
800-4	Technical Supprort	Integration of above with the existing health portal and also proposed CCC.	1 Job		
900	**Wiring works**				
900-1	Wiring	Wiring works for all the above equipment as per standard IE Rules	1 Job		
	Total Cost				
	Rs. In words				

Note :1. Manpower requirement such as Technical Manager and Project Manager for Procurement, Customization, Implementation and Technical Support of the project should be a part of project cost itself. Bidder is expected to quote accordingly.

2. The rates quoted for all the above components of works shall include supply, installation, testing and commissioning of the components including all taxes, duties etc.

Financial Bid – Part-2

OPEX : BOQ for Operation and Maintenance

Operations and Maintenance Charges (Quarterly Expenses for 5 years of contract after '"Go-Live")

S.No	Operation Support *	Year				
		First (a) in INR	Second (b) IN INR	Third (c) IN INR	Fourth (d) IN INR	Fifth (e) IN INR
1	Application Maintenance & Operational Expense including upgradation, deployment of patches, fixes, hosting services etc,.	NA				
2	Support and Subscription Cost for Software &Licenses	NA				
3	IT Cum resource person One each in /UFWC/ FRU/GGH (Total 4 Nos. consisting 1 Team Lead and 3 Team members)					
4	Consumables such as stationary and computer consumables.					
Total Support cost for five years (a+b+c+d+e):						
Rs. In words.						
The Bidder is requested to take into account the Scope of Work and SLA while quoting for Support and Subscription						

Note:

a. Service tax will be paid extra as per the prevailing rate at the time of billing.

b. Billing will be done on bi-monthly basis

c. This Operational Support per year shall be for all the components / items / infrastructure under this RFP / Contract including the Support personnel deployed during the operation and maintenance for the project.

d. Experienced Manpower Support Services relevant field and relevant experience shall be deployed by the successful bidder to complete the project successfully to meet the SLAs and desired objectives. In this regard bidder has to deploy one assistant manager with 3 team Members.

e. IT cum Resource person should have qualification of B.E / B.tech in IT or CSE and have an experience of minimum 2 years in the field of IT and Manage Systems. He should also have experience in training and capacity building to health workers.